

1 **ABSTRACT OF THE DISCLOSURE**

2 A method of optimizing the compression rate in Adaptive
3 Differential Pulse Code Modulation (ADPCM) is disclosed. The modified
4 pulse code modulation technique employs a prognostic code converter to
5 generate variable length codes on top of the ADPCM coding, based on the
6 probability of occurrence of data bits in a data sample. This variable-
7 length coding is able to further reduce the compressed data size by
8 increasing the compression rate of the conventional ADPCM coding.